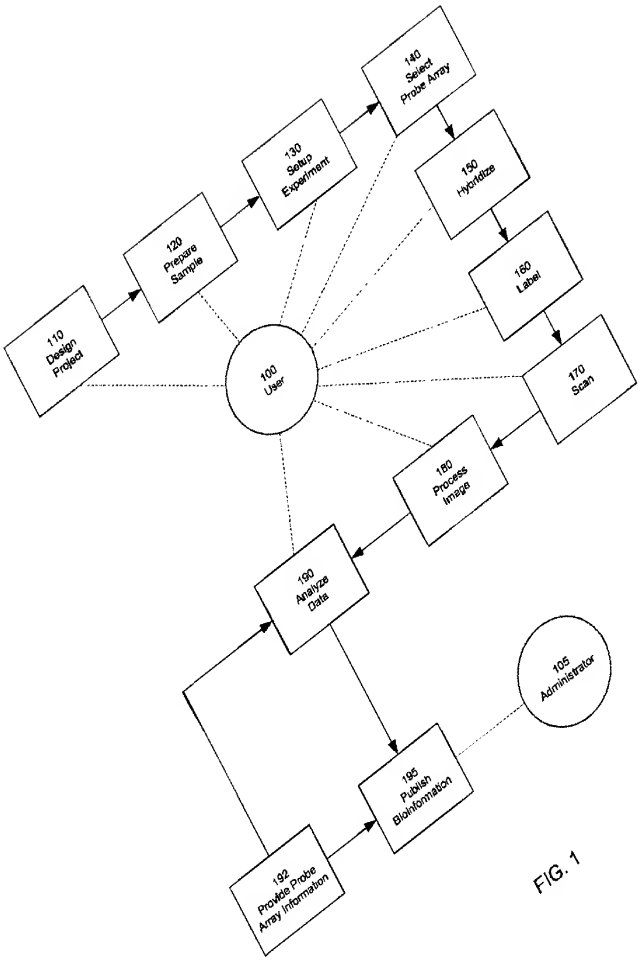
110
Design
Project
120
Prepare
Sample
130
Setup
Experiment
140
Select
Probe Array
150
Hybridize
160
Label
170
Scan
180
Process
Image
100
User
190
Analyze
Data
105
Administrator
195
Publish
Bioinformation
192
Provide Probe
Array Information

FIG. 1

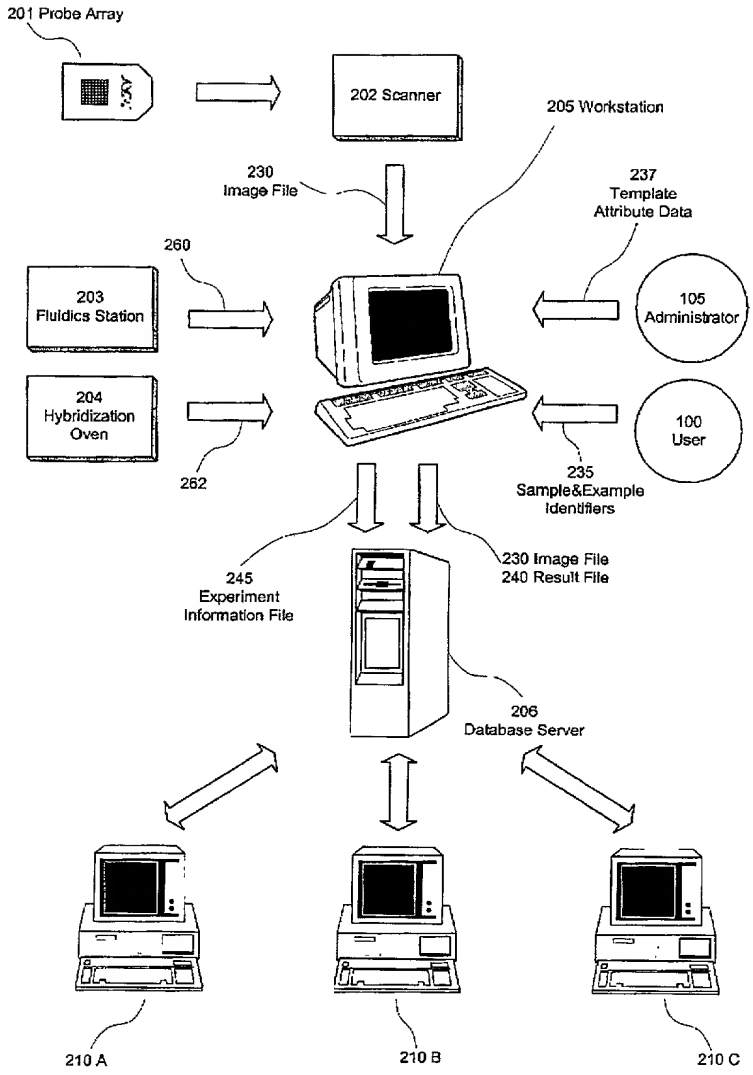
201 Probe Array
202 Scanner
205 Workstation
230
Image File
237
Template
Attribute Data
260
203
Fluidics Station
105
Administrator
204
Hybridization
Oven
100
User
262
235
Sample&Example
Identifiers
245
Experiment
Information File
230 Image File
240 Result File
206
Database Server
210 A
210 B
210 C

FIG. 2

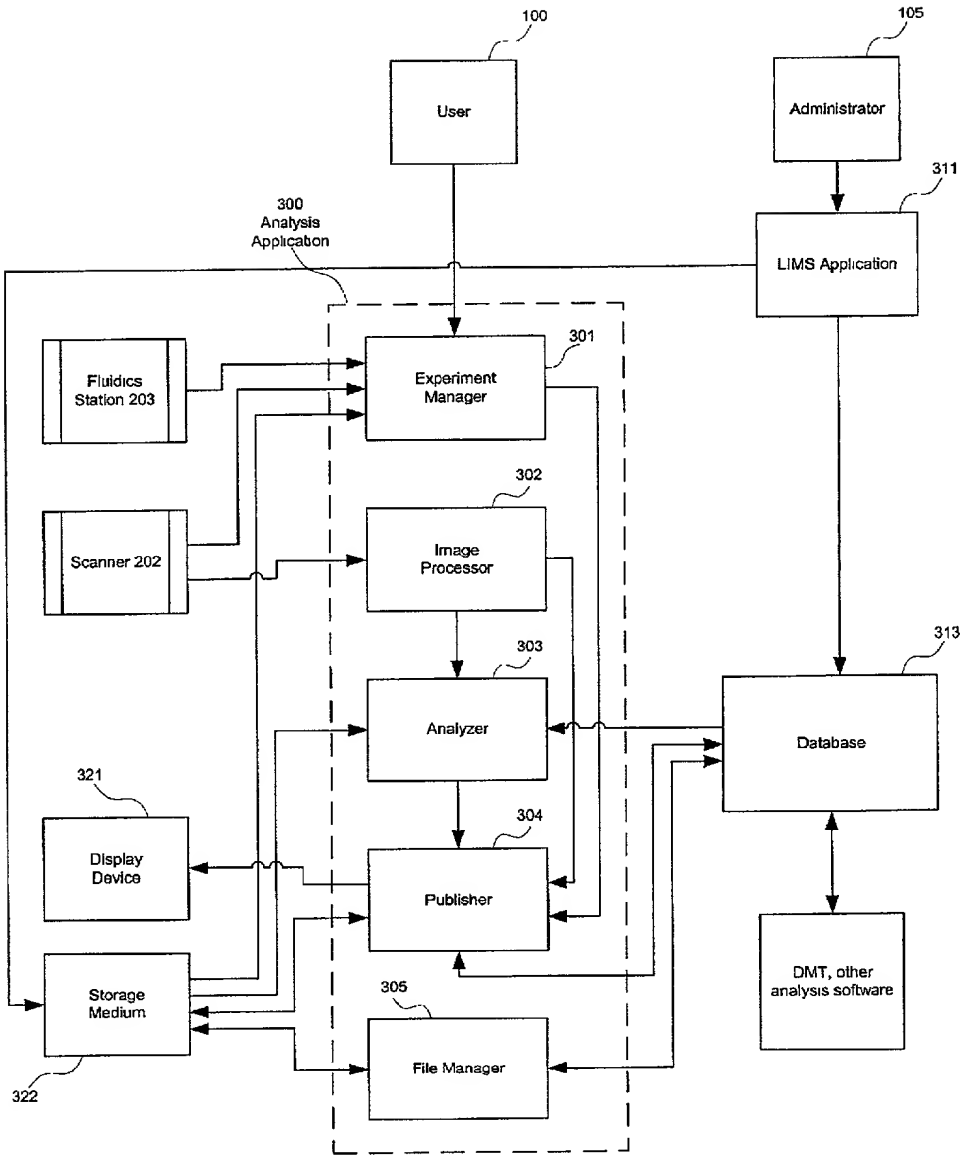
100
User
105
Administrator
311
LIMS Application
300
Analysis
Application
301
Experiment
Manager
Fluidics
Station 203
302
Image
Processor
Scanner 202
303
Analyzer
313
Database
321
Display
Device
304
Publisher
DMT, other
analysis software
Storage
Medium
305
File Manager
322

FIG. 3

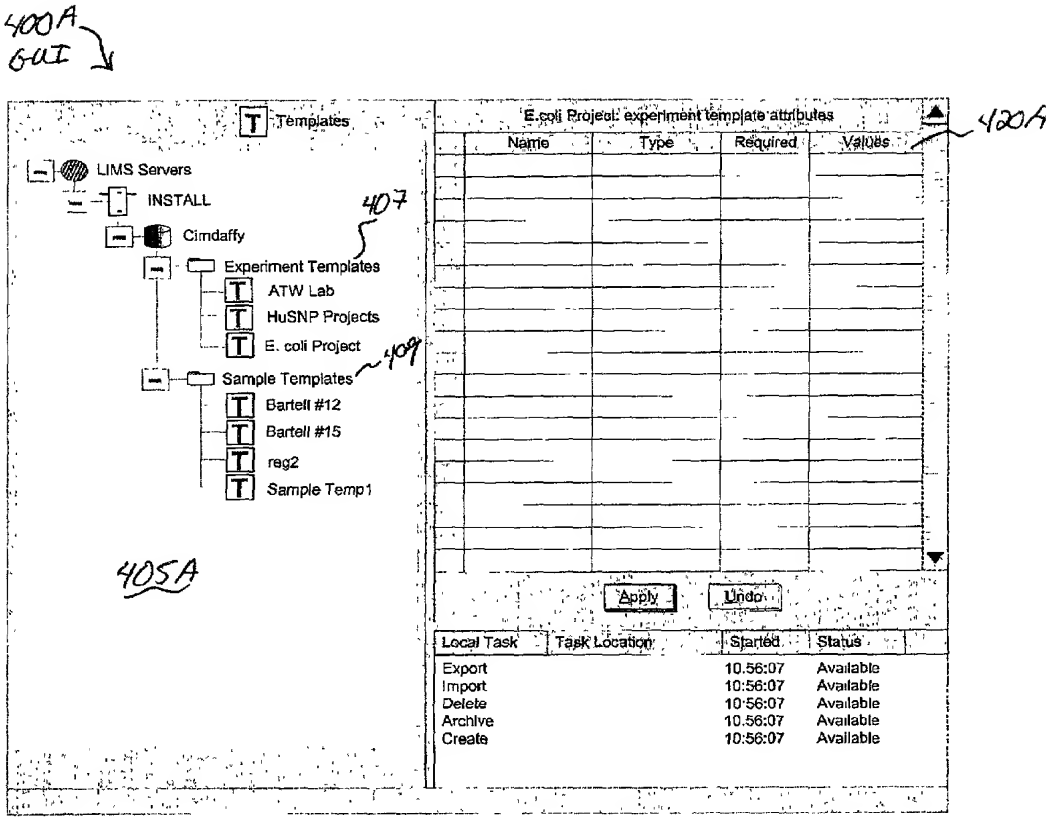
400A
GUI
Templates
LIMS Servers
INSTALL
Cimdaffy
407
Experiment Templates
ATW Lab
HuSNP Projects
E. coli Project
409
Sample Templates
Bartell #12
Bartell #15
reg2
Sample Temp1
405A
E.coli Project: experiment template attributes
420A
Name
Type
Required
Values
Apply
Undo
Local Task
Task Location
Started
Status
Export 10:56:07 Available
Import 10:56:07 Available
Delete 10:56:07 Available
Archive 10:56:07 Available
Create 10:56:07 Available

FIG. 4a

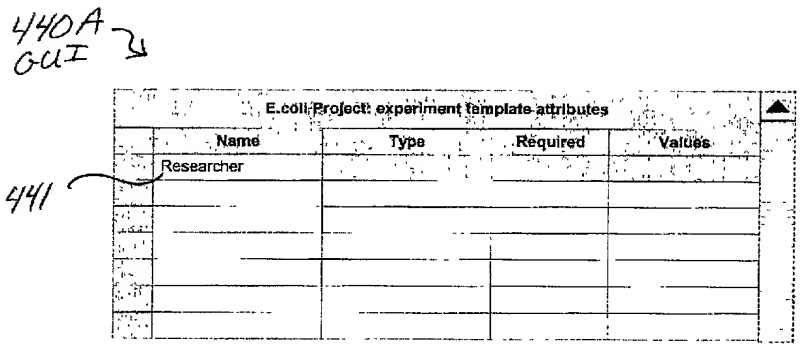

FIG. 4b

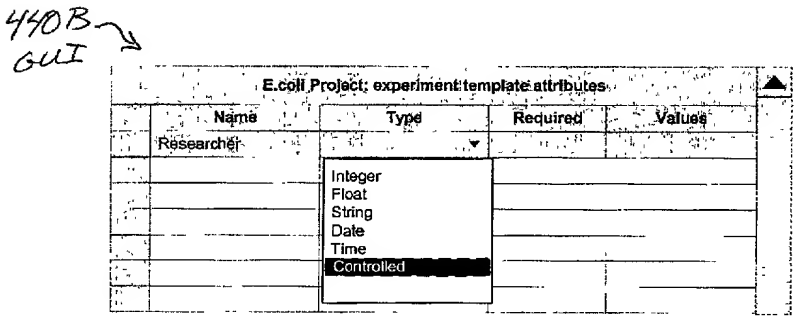

FIG. 4c

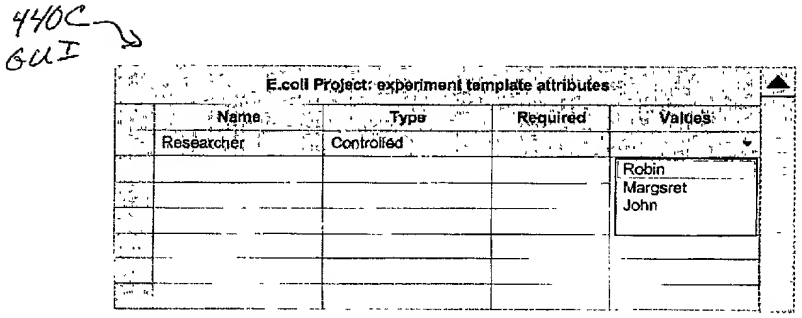

FIG. 4d

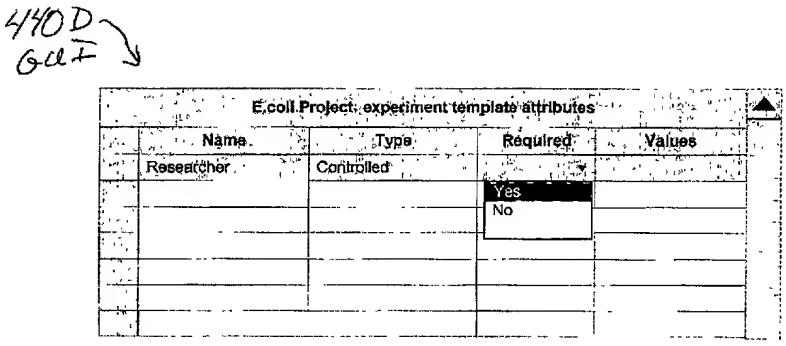
440D
GUI
E.coli Project: experiment template attributes
Name
Type
Required
Values
Researcher
Controlled
Yes
No

FIG. 4e

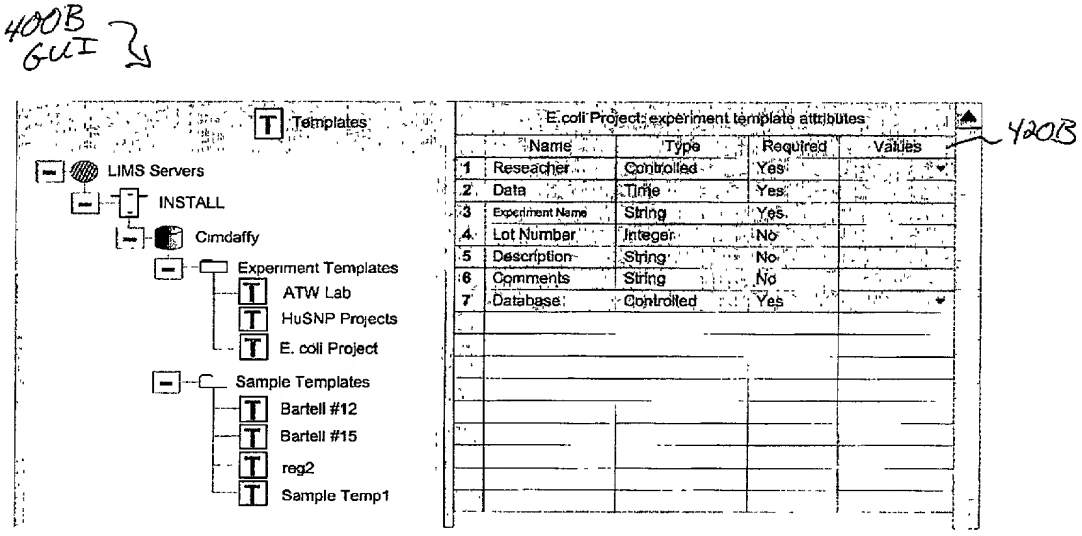
400B
GUI
Templates
LIMS Servers
INSTALL
Cimdaffy
Experiment Templates
ATW Lab
HuSNP Projects
E. coli Project
Sample Templates
Bartell #12
Bartell #15
reg2
Sample Temp1
E.coli Project: experiment template attributes
420B
Name
Type
Required
Values
1 Researcher Controlled Yes
2 Data Time Yes
3 Experiment Name String Yes
4 Lot Number Integer No
5 Description String No
6 Comments String No
7 Database Controlled Yes

FIG. 4f

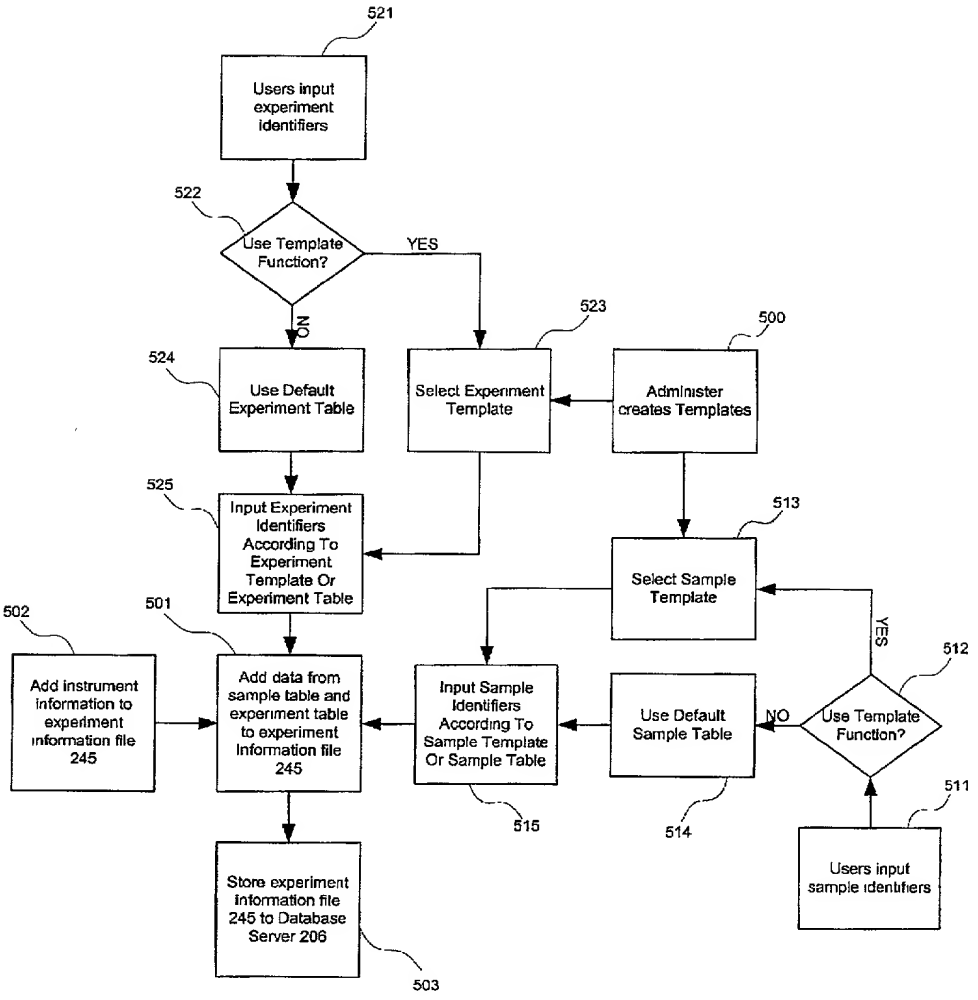
521
Users input experiment identifiers
522
Use Template Function?
YES
NO
523
500
524
Use Default Experiment Table
Select Experiment Template
Administer creates Templates
525
Input Experiment Identifiers According To Experiment Template Or Experiment Table
513
Select Sample Template
YES
512
502
501
Add instrument information to experiment information file 245
Add data from sample table and experiment table to experiment Information file 245
Input Sample Identifiers According To Sample Template Or Sample Table
Use Default Sample Table
NO
Use Template Function?
511
515
514
Users input sample identifiers
Store experiment information file 245 to Database Server 206
503

FIG. 5

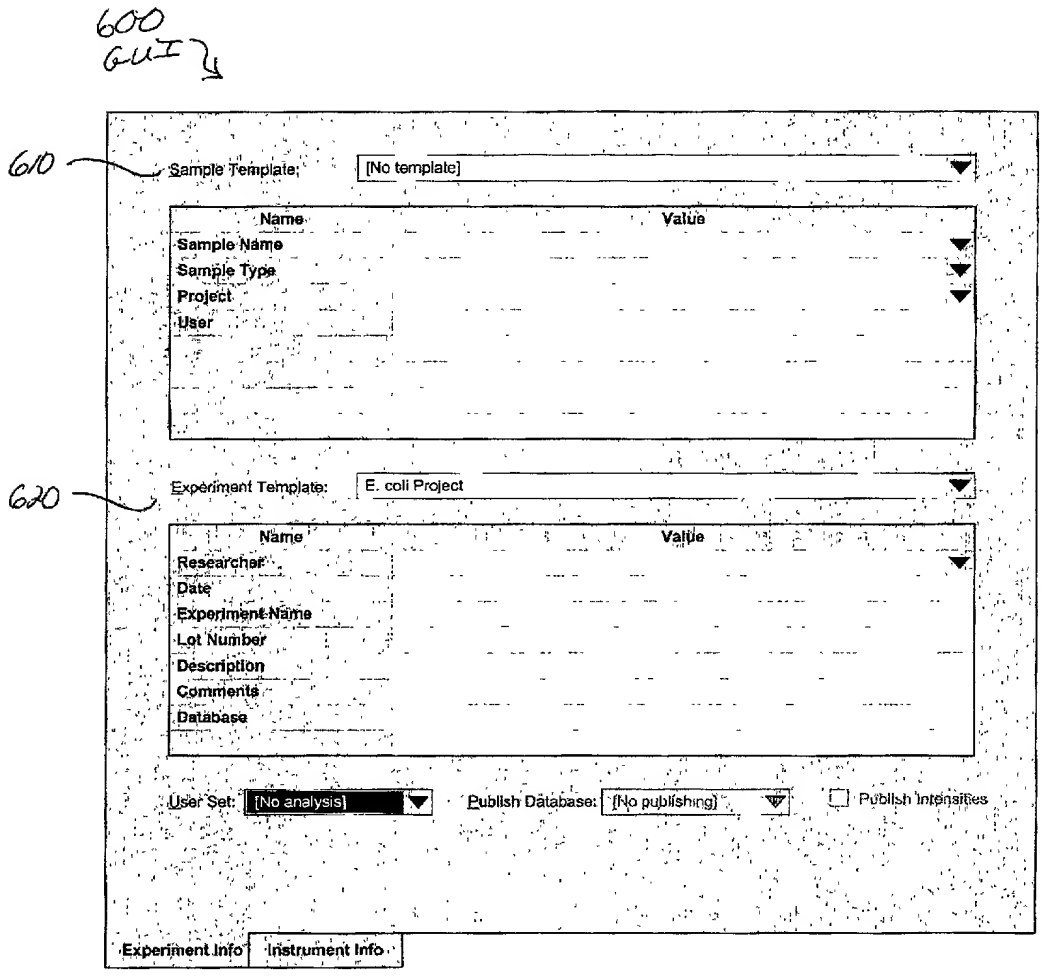
600
GUI
610
Sample Template:
[No template]
Name
Value
Sample Name
Sample Type
Project
User
620
Experiment Template:
E. coli Project
Name
Value
Researcher
Date
Experiment Name
Lot Number
Description
Comments
Database
User Set:
[No analysis]
Publish Database:
[No publishing]
Publish Intensities
Experiment Info
Instrument Info

FIG. 6